Zefeng (Daniel) Wang

No sponsorship required
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EXPERIENCE

Software Engineer *@ Datadog*   *July 2022 – Present*
- Accelerated delivery of the Event Correlation product to public beta,
- Implemented a dead-letter queue (Kafka) to improve reliability and facilitate replay pipeline in case of incident
- Resolved reliability issues, introducing throttling and rate limiting in pipeline and fixing flakey browser tests
- Worked with product/design stakeholders to redesign correlation configuration page for improved accessibility
- Improved the Incident Management product to reduce MTTR, observing ~10% MoM user growth over 10 months
- Integrated customer feedback to build workstreams feature, with rapid adoption from internal/beta customers
- Completed private visibility feature, updating ES schema, search facets, and maintaining backwards compatibility
- Collaborated across teams to integrate with third party (Slack, Zoom) and internal tools (dashboards, graphs, etc)
- Participated in on-call and support rotation, joining after just three weeks, to reduce operational burden for team
- Enhanced culture by participating in processes such as mentoring interns, interviewing, and planning team events

Software Engineering Intern *@ Tesla*   *September – December 2021*
- Enhanced observability for multiple microservices (Go, Python) by implementing distributed tracing using Sentry to identify bottlenecks resulting in significant (>50%) decreases in p95 run time for various API endpoints
- Reduced friction in developer experience by implementing Tilt and Helm charts to run app in local K8s cluster
- Migrated event streaming from RabbitMQ to Kafka to improve scalability and reduce downtime for users

Engineering Summer Analyst *@ Goldman Sachs*   *June – August 2021*
- Productionized financial reporting program and conducted user acceptance testing with product stakeholders
- Leveraged caching and abstracted implementation to decrease flakiness and improve speed by 30% for calculator
- Revamped API queries to ensure data is more highly available using modeling/functional language (PURE)

Software Developer Co-op *@ Intuit*   *May – December 2020*
- Increased accessibility of metrics on the Observability team for QuickBooks Online product (Java Spring, Go)
- Created API for internal resource by implementing schema & CRUD functions for a MySQL database, configuring Elasticsearch index to improve search efficiency, and setting up infrastructure for Kubernetes cluster
- Improved readability of metrics using Micrometer and Hystrix (Spring), leveraging aspect-oriented programming

Backend Web Engineer *@ BusRight, Inc*   *November 2019 – November 2020*
- Developed password reset process (authn, email) and persistent notifications functionality (Firestore, SendGrid)
- Implemented Cloud Functions for daily data backup and profile picture actions triggered on user deletion/creation

Project Lead, Developer *@ Sandbox at Northeastern*   *September 2019 – April 2022*
- Led team of five to build multiplayer game application for research client used in study with 200+ participants
- Created multiple applications, including a mobile app used in a memory study and a web app with 50,000+ users

Core Team – Sponsorship, Tech *@ HackBeanpot Inc*   *May 2019 – December 2021*
- Organized annual hackathon, raised $20,000+ and led work to fixing scheduling algorithm and judging system

PROJECTS

GratitudeNU (TypeScript, NextJS, NestJS, PostgreSQL)
- Developed full-stack application for users (200+) to play game together concurrently using server-sent events
- Implemented API using NestJS (Express.js) service/controller architecture to handle multiple users' interactions

MGH Video Journal (React Native, TypeScript)
- Built mobile app using React Native that allows study participants (500+) to record videos uploaded to Dropbox
- Leveraged Google Cloud Function to authenticate users and sends files from Cloud Storage via Dropbox API

SearchNEU (NodeJS, React, TypeScript)
- Improved loading times ~30x and enabled simpler, filtered search through custom React dropdown component
- Migrated no-SQL data store to relational database using ORM and refactored web scraper using Cheerio (jQuery)

COMPUTER KNOWLEDGE

- **Languages:** Golang, Python, JavaScript/TypeScript (NodeJS, React), Java, HTML, CSS, C
- **Tools/Libraries:** Docker, Kubernetes, (Postgre)SQL, *nix, Elasticsearch, Git, Google Cloud, AWS

EDUCATION

Northeastern University, **Khoury College of Computer Sciences**   Boston, MA
Bachelor of Science in Computer Science & Business Administration (Magna Cum Laude)   2022